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(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:

US 60/169,056 (CIP) Filed on 6 December 1999 (06.12.1999) (71) Applicant (for all designated States except US): CURA-GEN CORPORATION [US/US]; 555 Long Wharf Drive, 11th Floor, New Haven, CT 06511 (US).

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[Continued on next page]

(54) Title: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING THE SAME

A

NOVTRAN cDNA sequence:

В

NOVTRAN Protein Sequence:

MQWSCLACTLLRVLPHVLSLLRDPVPVPTGTKLFHSCITSTNPCASFLEVAVEAAGITPW TVGSEHPPCPYPSLHASPFTDSFNRPSPAPLNRPRSAGEPRTEAFPSPGLKARVGGTILAE AGLNSQGHAVEPVPSGPSGSSKGCVLIKGRPSRMPKARECPVDRENLLLTNPAVPSLLQL LSSSPCIKVETEQERSNAEFDLQSRAARDYNSRLLLKLGQIPAAKGSSFLELQNVSGGVG SARGPRNHCKVGAGPQSPFPELGAGSPPLALEKVSTQPIPQARLRKGVDWPPVSPGDQC PLCTLPGQPNLAHTGCSLNSHGGYCGMESCRFQKPPGHRAGSSSAEAA

(57) Abstract: The invention provides novel human transmembrane (NOVTRAN), neuromedin (NOVNEUR), gonadtropin (NOVGON), and interleukin-1 receptor antagonist (NOVINTRA A and B) proteins (NOVX proteins) and isolated nucleic acid molecules encoding the same. Also provided are antibodies that immunospecifically bind to NOVX polypeptides or polynucleotides, or derivatives, variants, mutants, or fragments thereof. The invention additionally provides methods in which a NOVX polypeptide, polynucleotide, and antibody are used in the detection, prevention, and treatment of a broad range of pathological states. Also provided are method of diagnosing and treating a lung disease associated with differential expression of human interleukin-1 epsilon.



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